

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of configuring signaling locations within a heart ~~to monitor hemodynamic performance~~ for performing intrachamber resynchronization, comprising:

positioning signaling electrodes to deliver stimulation to a left ventricle of the heart, the signaling electrodes being positioned along a first and second axis interior to the heart, the second axis being extending within or around the left ventricle to position at least one first signaling electrode of the signaling electrodes thereabout, and being substantially horizontal with respect to the first axis, the first axis extending into ~~spanning anterior and posterior~~ extremes of a right ventricular septum of the heart to position at least one second signaling electrode of the signaling electrodes at a position for delivering stimulation to the left ventricle, the first axis being longer than the second axis; and

~~receiving electrical signals from the signaling electrodes indicative of hemodynamic performance; and~~

delivering, to the left ventricle, in response to a certain received signal, stimulation via the at least one first and second signaling electrodes for performing the intrachamber resynchronization ~~in at least one of the interventricular septum, a coronary vein of the left ventricle, and the epicardial wall of the left ventricle.~~

Claim 2 (Previously Amended): The method of claim 1, further comprising:

receiving depolarization signals originating from at least one atrium of the heart via the signaling electrodes.

Claim 3 (Currently Amended): The method of claim 2, wherein receiving depolarization signals further comprises:

receiving depolarization signals from multiple locations of ~~within or around~~ the left ventricle.

Claims 4-19 (Canceled).

Claim 20 (Currently Amended): The method of claim 1, wherein the signaling electrodes ~~is a plurality of electrodes~~ are positioned endocardially in the heart.

Claims 21-26 (Canceled).

Claim 27 (Currently Amended): The method of claim 1, wherein the signaling electrodes are positioned to deliver stimulation to the left ventricle in at least one of ~~the~~ an interventricular septum, a coronary vein in the left ventricle, ~~and or an the~~ epicardial wall of the left ventricle.

Claim 28 (Currently Amended): The method of claim 27, wherein ~~receiving electrical signals~~ the delivering includes ~~receiving~~ providing electrical signals ~~from a~~ to the signaling ~~electrode~~ electrodes connected to a lead passing through the superior vena cava, the right atrium, the ostium of the coronary sinus, and a coronary vein of the left ventricle.

Claims 29-33 (Canceled).

Claim 34 (Currently Amended): The method of claim 1, wherein the delivering the stimulating the left ventricle of the heart at the plurality of locations in or around the left ventricle further comprises:

stimulating delivering stimulation to the at least one a first signaling electrode in the a interventricular septum and the at least one a second signaling electrode in a coronary vein of the left ventricle.

Claims 35-66 (Canceled).

Claim 67 (Currently Amended): A system ~~for monitoring the hemodynamic performance of a heart~~ for performing intrachamber resynchronization, comprising:

~~a plurality of signaling electrodes configured to be positioned at a first and second axis interior to the heart, to deliver stimulation to a left ventricle of the heart, the signaling electrodes being positioned along the first and second axis, the second axis being extending within or around the left ventricle to position at least one first signaling electrode of the signaling electrodes therein, and being substantially horizontal with respect to the first axis, the first axis extending into spanning anterior and posterior extremes of a right ventricular septum of the heart to position at least one second signaling electrode of the signaling electrodes at a position for delivering stimulation to the left ventricle, the first axis being longer than the second axis;~~

a processor ~~responsive to a certain one of the received electrical signals of the signaling electrodes, configured to deliver to the left ventricle, a stimulation signal to via the plurality of at least one first and second signaling electrodes for performing the intrachamber resynchronization in at least one of the interventricular septum, a coronary vein of the left ventricle, and the epicardial wall of the left ventricle.~~

Claim 68 (Cancelled).

Claim 69 (Currently Amended): The system of claim ~~[[68]]~~ 67, wherein ~~[[the]]~~ depolarization signals are sensed by the ~~plurality of~~ signaling electrodes from multiple locations within the left ventricle.

Claim 70 (Currently Amended): The system of claim 67, wherein the ~~plurality of~~ signaling electrodes ~~is~~ are configured to be positioned endocardially in the heart.

Claim 71 (Currently Amended): The system of claim 67, wherein the stimulation signal is delivered to the left ventricle by a ~~the at least one~~ first signaling electrode in ~~the~~ an interventricular septum and the at least one ~~at a~~ second electrode in a coronary vein of the left ventricle.

Claims 72-73 (Canceled).